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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,136	05/15/2006	Nobuyuki Yamamoto	064766-0014	1165
53080 7590 11/23/2009 MCDERMOTT WILL & EMERY LLP 600 13TH STREET, NW WASHINGTON, DC 20005-3096				
EXAMINER				
PEARSON, DAVID J				
ART UNIT		PAPER NUMBER		
2437				
MAIL DATE		DELIVERY MODE		
11/23/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/579,136

Applicant(s)

YAMAMOTO ET AL.

Examiner

DAVID J. PEARSON

Art Unit

2437

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 December 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-8 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 May 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SI.08)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Interval Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

1. Preliminary amendments were filed on 05/15/2006 and 12/01/2006. Claims 1-8 have been amended. Claims 1-8 have been examined.

2. This application is in condition for allowance except for the following formal matters:

Drawings

3. Figures 4-7 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

4. The disclosure is objected to because of the following informalities:

On page 5, it contains an embedded hyperlink and/or other form of browser-executable code. Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

On page 23, it contains the reference "scramble SEED value 20". Examiner believes this refers to line 205 from Fig. 1-2 and therefore should recite "scramble SEED value 205".

Appropriate correction is required.

5. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

6. Claims 1-8 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

For independent claims 1, 3 and 4, the prior art of record fails to teach, alone or in combination, the following claim limitations in conjunction with the rest of the claim limitations.

an operation section which adds the ID information from the ID storing section and the sector number information from the sector counter section...

a selector which selects a scramble seed value which is outputted from the scramble seed table conversion section when the data under being transferred is a top of a sector and selects the scramble seed value which is outputted from the scramble filter section otherwise, to output the selected result to the scramble filter.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Katayama et al. (U.S. Patent Application Publication 2002/0037080) teaches using an ID from frame as a seed to generate a random sequence (note paragraph [0003]).

Perlman (U.S. Patent Application Publication 2002/0114360) teaches using the decryption key associated with the frame that is jumped to (note paragraphs [0059]-[0061]).

Unger (U.S. Patent Application Publication 2004/0062398) teaches having the required decryption keys ready on time to decrypt the content just prior to a jump (note paragraphs [0006] and [0034]).

Mori et al. (U.S. Patent Application Publication 2004/0103360) teaches every ECC block is composed of a predetermined number of sectors. Every sector currently processed by the demodulation circuit considerably precedes a sector requested by the MPEG decoder. Accordingly, it is possible to suitably set a descramble initial value for a first ECC block after the start of the playback of the recording medium or after every track jump during the playback of the recording medium (note paragraphs [0298] and [0304]).

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID J. PEARSON whose telephone number is (571)272-0711. The examiner can normally be reached on Monday - Friday, 7:30am - 5:00pm; off every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David J Pearson/
Examiner, Art Unit 2437

/Emmanuel L. Moise/
Supervisory Patent Examiner, Art Unit 2437